

**ABSTRACT OF THE DISCLOSURE**

A device and method for mapping, diagnosing and treating the intestinal tract is provided using a capsule passing through the intestinal tract. Further, a capsule tracking system is provided for tracking a capsule's location along the length of an intestinal tract as various treatment and/or sensing modalities are employed. In one variation, an acoustic signal is used to determine the location of the capsule. A map of sensed information may be derived from the pass of a capsule. Capsules may be subsequently passed through to treat the intestinal tract at a determined location along its length. One variation uses an electrical stimulation capsule to treat and/or diagnose a condition in the intestinal tract.